

**DATABASES OF REGULATORY SEQUENCES;
METHODS OF MAKING AND USING SAME**

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ABSTRACT OF THE DISCLOSURE

Methods and compositions for the identification, isolation and characterization of regulatory DNA sequences in a cell of interest are provided. Also provided are libraries of regulatory sequences obtained according to the methods, and databases comprising
10 collections of regulatory sequences for a particular cell of interest. In addition, various uses for the regulatory sequences so obtained, and uses for the databases of regulatory sequences, are provided. Also disclosed are computer systems and computer program products for utilizing the databases to conduct various genetic analyses, and uses of accessible regulatory sequences in the design of vectors bearing transgenes.

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